

Please type a plus sign (+) inside this box → ☐**TRANSMITTAL
FORM**

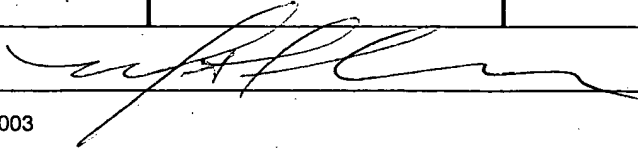
(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/628,874
	Filing Date	July 28, 2003
	First Named Inventor	M. Dantus et al.
	Group Art Unit	
	Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number 6550-000057/COC

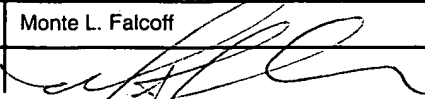
ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): HDP-1449 Form (29 Sheets and Attachment) and 341 Other Documents; HDP-1449 Form (5 Sheets) and 4 Foreign Patent Documents and 47 Other Documents
Remarks The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	Monte L. Falcoff	Reg. No.	37,617
Signature					
Date	November 4, 2003				

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.			
Typed or printed name	Monte L. Falcoff		
Signature		Date	November 4, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/628,874

Filing Date: July 28, 2003

Applicant: M. Dantus et al.

Group Art Unit:

Examiner:

Title: CONTROL SYSTEM AND APPARATUS FOR USE
WITH LASER EXCITATION OR IONIZATION

Attorney Docket: 6550-000057/COC

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. ____ Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. ____ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. XXX Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

D. ____ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. ____ Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ____ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ____ See the attached foreign patent office communication from a counterpart foreign application:
2. ____ English translations are provided:
3. ____ Other:

C. XXX The following additional information is provided for the Examiner's consideration. The references noted in the background of the present application are deemed to be of somewhat more relevance than the others cited. Also, the attached chart should assist the Examiner in categorizing the relevancy of the cited references (all reference numbers are for the 29-page 1449 form listing 341 documents filed concurrently herewith). Notwithstanding, the Examiner is requested to review all of the cited references and make his/her own relevancy determination.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. XXX The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

10/265,211

October 4, 2002

2881

V. THIS IDS IS BEING FILED UNDER

A. XXX 37 C.F.R. § 1.97(b): (check only one box)

1. ____ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.

2. ____ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3. XXX before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. ____ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. ____ 37 C.F.R. § 1.97(c): (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. ____ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. ____ See the certification below. No fee is required.

C. ____ 37 C.F.R. § 1.97(d):

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ____ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A. each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F. R. 1.704(d) below in section VII, if applicable; or

B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

 each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

A. A check in the amount of \$180.00 is enclosed for the above-identified fee.

B. Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

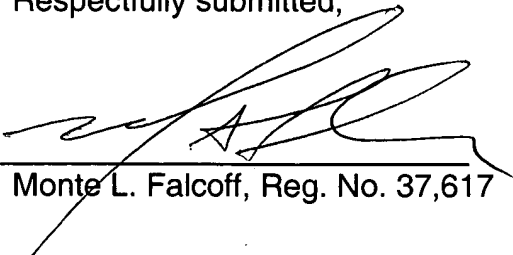
If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: Nov. 4, 2003

By:


Monte L. Falcoff, Reg. No. 37,617

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

MLF/cmg

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 1 of 5	ATTORNEY DOCKET No.	SERIAL No.
	6550-000057/CPB	10/628,874
	APPLICANT	
	M. Dantus et al.	
	FILING DATE	GROUP
	July 28, 2003	

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		5,526,171	06-11-1996	Warren		
2.		5,754,292	05-19-1998	Kane et al.		
3.		5,936,732	08-10-1999	Smirl et al.		
4.		6,042,603	03-28-2000	Fisher et al.		
5.		6,057,919	05-02-2000	Machida et al.		
6.		6,111,251	08-29-2000	Hillenkamp		
7.		6,130,426	10-10-2000	Laukien et al.		
8.		6,156,527	12-05-2000	Schmidt et al.		
9.		6,219,142 B1	04-17-2001	Kane		
10.		6,296,810 B1	10-02-2001	Ulmer		
11.		6,327,068 B1	12-04-2001	Silberberg et al.		
12.		6,337,606 B1	01-08-2002	Brombaugh et al.		
13.		6,421,154 B1	07-16-2002	Diels et al.		

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
1.		WO 99/57318	11-11-1999	WO			
2.		WO 00/70647	11-23-2000	WO			
3.		WO 01/54323 A2	07-26-2001	WO			
4.		WO 02/061799 A2	08-08-2002	WO			

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 2 of 5	ATTORNEY DOCKET NO.	SERIAL NO.
	6550-000057/CPB	10/628,874
	APPLICANT	
	M. Dantus et al.	
	FILING DATE	GROUP
	July 28, 2003	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.		Teaching Laser to Control Molecules; Richard S. Judson et al.; Physical Review Letters; Vol. 68, No. 10, pp. 1500-1503 (March 9, 1992)
2.		Feedback-controlled femtosecond pulse shaping; T. Brixner, A. Oehrlein, M. Strehle, G. Gerber; Applied Physics B70, Laser and Optics (2000); pp. S119-S124
3.		Feedback Quantum Control of Molecular Electronic Population Transfer; Chemical Physics Letters; Christopher J. Bardeen et al.; (published prior to October 4, 2002) (19 pages)
4.		Compression Of Amplified Chirped Optical Pulses; Optics Communications; Donna Strickland et al.; Vol. 55, number 6; (15 October 1985), pp. 447-449
5.		Femtosecond laser pulse shaping by use of microsecond radio-frequency pulses; C.W. Hillegas et al.; Optics Letters, Vol. 19, No. 10 (May 15, 1994), pp. 737-739
6.		Ultrabroadband Femtosecond Lasers; Christian Spielmann et al.; IEEE Journal Of Quantum Electronics, Vol. 30, No. 4 (April 1994); pp. 1100-1114
7.		Programmable Shaping of Femtosecond Optical Pulses by Use of 128-Element Liquid Crystal Phase Modulator; Andrew M. Weiner et al.; IEEE Journal Of Quantum Electronics, Vol. 28, No. 4 (April 1992), pp. 908-920
8.		Back-side-coated chirped mirrors with ultra-smooth broadband dispersion characteristics; N. Matuschek et al.; Applied Physics B Lasers and Optics (6 Sept. 2000); pp. 509-522
9.		Femtosecond pulse shaping by an evolutionary algorithm with feedback; T. Baumert et al.; Applied Physics B Lasers and Optics (1997); pp. 779-782
10.		Adaptive real-time femtosecond pulse shaping; D. Meshulach et al.; Vol. 15, No. 5/May 1998/J. Opt. Soc. Am. B., pp. 1615-1619
11.		Femtosecond pulse shaping by dynamic holograms in photorefractive multiple quantum wells; Y. Ding et al.; Optics Letters/Vol. 22, No. 10/May 15, 1997, pp. 718-720
12.		Engineerable femtosecond pulse shaping by second-harmonic generation with Fourier synthetic quasi-phase-matching gratings; G. Imeshev et al.; Optics Letters/Vol. 23, No. 11/June 1, 1998, pp. 864-866
13.		Controlling the Future of Matter; Bern Kohler et al.; Acc. Chem. Res. 1995, 28, pp. 133-140

Examiner:	Date Considered:
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FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 3 of 5	ATTORNEY DOCKET NO.	SERIAL NO.
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	M. Dantus et al.	
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	July 28, 2003	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
14.		High-Resolution, Ultrafast Laser Pulse Shaping and Its Applications; J.X. Tull et al.; Advances in Magnetic And Optical Resonance, Vol. 20, pp. 1-65 (1997)
15.		Femtosecond pulse shaping using spatial light modulators; A.M. Weiner; Review Of Scientific Instruments, Vol. 71, Number 5 (May 2000) pp. 1929-1960
16.		Chemistry with Photons; W.S. Warren; SCIENCE Vol. 262, 12 November 1993, pp. 1008-1009
17.		Transform-Limited Pulses Are Not Optimal for Resonant Multiphoton Transitions; Nirit Dudovich et al.; Physical Review Letters, Volume 86, Number 1 (1 January 2001) pp. 47-50
18.		Laser scanning third-harmonic-generation microscopy in biology; D. Yelin et al.; OPTICS EXPRESS; 11 October 1999/Vol. 5, No. 8, pp. 169-175
19.		Coherent quantum control of two-photon transitions by a femtosecond laser pulse; Doron Meshulach et al.; NATURE/Vol 396/19 November 1998, pp. 239-242
20.		Selective Bond Dissociation and Rearrangement with Optimally Tailored, Strong-Field Laser Pulses; Robert J. Levis et al.; SCIENCE, Vol. 292 (27 April 2001) pp. 709-713
21.		Femtosecond pulse shaping with a stratified diffractive structure; Frank Schreier et al.; Optics Communications 185 (2000) pp. 227-231
22.		Nonlinear limits to the information capacity of optical fibre communications; Partha P. Mitra et al.; NATURE/Vol 411/28 June 2001, pp. 1027-1030
23.		In vivo ultrahigh-resolution optical coherence tomography; W. Drexler et al.; Optics Letters; Vol. 24, No. 17 (September 1, 1999) pp. 1221-1223
24.		Mass spectrometry; McGraw-Hill Encyclopedia Of Science & Technology, 6 th Ed., pp. 492-502; 1987 (12 pages)
25.		Coherent quantum control of multiphoton transitions by shaped ultrashort optical pulses; Doron Meshulach et al.; PHYSICAL REVIEW A; Volume 60, Number 2 (August 1999); pp. 1287-1292
26.		Nonlinear limits to the information capacity of optical fibre communications; Partha P. Mitra et al.; NATURE/Vol 411/28 June 2001, pp. 1027-1030

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
27.		Control of Chemical Reactions by Feedback-Optimized Phase-Shaped Femtosecond Laser Pulses; A. Assion et al.; SCIENCE; Vol 282 (30 October 1998) pp. 919-922
28.		Multiphoton Intrapulse Interference. 1. Control of Multiphoton Processes in Condensed Phases; Katherine A. Walowicz, Igor Pastirk, Vadim V. Lozovoy, and Marcos Dantus; American Chemical Society, J. Phys. Chem. A; August 2002 (5 pages)
29.		Measuring ultrashort laser pulses in the time-frequency domain using frequency-resolved optical gating; Rick Trebino et al.; 1997 American Institute Of Physics; Rev. Sci. Instrum. 68 (9), September 1997, pp. 3277-3295
30.		Ambiguity of Ultrashort Pulses Retrieved From the Intensity Autocorrelation and Power Spectrum Traces; J.-H. Chung et al.; CERIAS Tech Report 2002-01, IEEE Journal on Selected Topics in Quantum Electronics, Vol. 7, No. 4; July/August 2001, pp. 656-666
31.		Measuring Ultrashort Laser Pulses Just Got A Lot Easier!; Rick Trebino et al.; Optics & Photonics News, pp. 23-25, June 2001
32.		Coherent control of second harmonic generation using spectrally phase coded femtosecond waveforms; Z. Zheng, et al.; Chemical Physics 267, (2001); pp. 161-171
33.		Spectral phase correlation of coded femtosecond pulses by second-harmonic generation in thick nonlinear crystals; Z. Zheng et al.; Optics Letters/Vol. 25, No. 13/July 1, 2000, pp. 984-986
34.		Mass-Related Pulsed Extraction: Theoretical Analysis and Implementation With a Linear matrix-Assisted laser Desorption/Ionization Time of Flight Mass Spectrometer; Slava V. Kovtoun et al.; American Society for Mass Spectrometry, (2000); pp. 841-853
35.		Femtosecond laser mass spectroscopy of ferrocenes: Photochemical stabilization by bridge cyclopentadienyl rings?; M. Clara et al.; International Journal of Mass Spectrometry 203 (2000), pp. 71-81
36.		GeneticAlgorithm-v4.nb; Marcos Dantus; October 2001 to simulate an adaptive genetic algorithm, pp. 1-7
37.		Abstract-Laser desorption/ionization mass spectrometry of peptides and proteins with particle suspension matrixes; M. Schurenberg et al.; Analytical Chemistry; 71 (1): 221-229; (Jan. 1, 1999); (1 page)

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FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 5 of 5	ATTORNEY DOCKET NO.	SERIAL NO.
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
38.		Abstract-Matrix-assisted laser desorption/ionisation, an experience; F. Hillenkamp et al.; International Journal Of Mass Spectrometry; 200 (1-3): 71-77 (Dec. 25, 2000); (1 page)
39.		Abstract-Innovative pulse shaping for high-performance wireless TDMA; B. Natarajan et al.; IEEE Communications Letters; 5 (9): 372-374 (Sep. 2001); (1 page)
40.		Abstract-20-fs pulse shaping with a 512-element phase-only liquid crystal modulator; H. Wang et al.; IEEE Journal Of Selected Topics In Quantum Electronics; 7 (4): 718-727 (Jul-Aug 2001); (1 page)
41.		Abstract-Femtosecond quantum control; T Brixner et al.; Advances In Atomic, Molecular, And Optical Physics, Vol 46; 46: 1-54 (2001); (1 page)
42.		Abstract-Photoselective adaptive femtosecond quantum control in the liquid phase; T Brixner et al.; NATURE; 414 (6859): 57-60 (Nov. 01, 2001); (1 page)
43.		Abstract-Interference effects in femtosecond spectroscopy; G Roberts; Philosophical Transactions Of The Royal Society Of London Series A-Mathematical Physical and Engineering Sciences; 360 (1794): 987-1021 (May 15, 2002); (1 page)
44.		Abstract-Programmable chirp compensation for 6-fs pulse generation with a prism-pair-formed pulse shaper; L. Xu et al.; IEEE Journal Of Quantum Electronics; 36 (8): 893-899 (Aug. 2000); (1 page)
45.		TNM-2 Negative Group Velocity Dispersion Mirrors; www.cvilaser.com/ultra-fast; CVI Laser Corporation; (Jan. 13, 2002); (2 pages)
46.		Photogen-Technology; www.photogen.com/body/tech_body.html; Photogen Technologies, Inc., (Dec. 20, 2001); (19 pages)
47.		International Search Report of PCT/US02/02548 dated 11/28/02, 4 pages

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Attachment to 29-Page 1449 Form Listing 341 Other Documents

Categorization of References

Control of Chemical Reactions: altogether references 200-204, 206-228

Experiments in Control: EC1 (most relevant) references 244-261

Experiments in Control: EC2 (less relevant) references 262-287, 315-329

Experiments in Control: EC3 (least relevant) references 288-314, 330-337

Measurement of Femtosecond Laser Pulses
and Phase Characterization:

M1 (most relevant) references 1-42

Measurement of Femtosecond Laser Pulses
and Phase Characterization:

M2 (less relevant) references 43-87, 338, 339

Measurement of Femotsecond Laser Pulses
and Phase Characterization:

M3 (least relevant) references 141-199, 205, 340

Reviews of Coherent Control: altogether references 229-243, 341

Theory: T1 (most relevant) references 88-98

Theory: T2 (less relevant) references 99-123

Theory: T3 (least relevant) references 124-140

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 1 of 29	ATTORNEY DOCKET NO.	SERIAL No.
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
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1.		Jerome Paye; "How to Measure the Amplitude and Phase of an Ultrashort Light Pulse with an Autocorrelator and a Spectrometer"; IEEE Journal of Quantum Electronics, Vol. 30, No. 11, November 1994; pgs. 2693-2697.
2.		Juan L.A. Chilla et al.; "Direct determination of the amplitude and the phase of femtosecond light pulses"; January 1, 1991; Vol.16, No. 1; Optics Letters; pgs. 39-41.
3.		Daniel J. Kane et al.; "Single-shot measurement of the intensity and phase of an arbitrary ultrashort pulse by using frequency-resolved optical gating"; May 15, 1993, Vol. 18, No. 10 Optics Letters; pgs. 823-825.
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Ref. Desig.	Examiner's Initials	
333.		Valerie Blanchet et al.; "Temporal Coherent Control in Two-Photon Transitions: From Optical Interferences to Quantum Interferences"; Physical Review Letters, Vol. 78, No. 14; April 7, 1997; pgs. 2716-2719.
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